Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10 (cancelled).

11. (new) An electric motor comprising:

a core section formed by an integrated set of a plurality of split core blocks radially arranged, each of the split core blocks having a magnetic pole portion, a body portion with winding coils, and a support portion, the magnetic pole portion being provided at the outer end of the body portion and spreading in a circumferential direction, the support portion being provided at the inner end of the body portion and having an engagement recess; and

a metallic connection housing made of a material softer than said core section and having engagement protrusions at outer surface thereof, said metallic connection housing being connected to the individual split core blocks in dovetailed form to create said one connected core section;

wherein the engagement protrusions provided on the outer surface of said metallic connection housing is inserted into the corresponding engagement recess provided on the inner surface of the support portion of corresponding split core block, and the split core blocks are connected to said metallic connection housing for dovetail connection, each engagement protrusion of said metallic connection housing is plastically deformed by punching from the axial direction to remove the connection gap existing at each of the dovetailed connections and to press the adjacent support portions against each other.

12. (new) An electric motor comprising:

a stator core formed by an integrated set of a plurality of magnetic pole tooth section radially arranged, each of the magnetic pole tooth section having a magnetic pole portion, a body portion with winding coils, and a support portion, the magnetic pole portion being provided at the outer end of the body portion and spreading in a circumferential direction, the support portion being provided at the inner end of the body portion and having an engagement recess; and

a metallic connection housing made of a material softer than said magnetic pole tooth section and having engagement protrusions at outer surface thereof, said metallic connection housing being connected to the individual magnetic tooth section in dovetailed form to create said one connected stator core;

wherein the engagement protrusions provided on the outer surface of said metallic connection housing is inserted into the corresponding engagement recess provided on the inner surface of the support portion of corresponding magnetic pole tooth section, and the magnetic pole tooth sections are connected to said metallic connection housing for dovetail connection, each engagement protrusion of said metallic connection housing is plastically deformed by punching from the axial direction to remove the connection gap existing at each of the dovetailed connections and to press the adjacent support portions against each other.

13. (new) An electric motor as set forth in Claim 11, wherein said connection housing is formed by cold forging, die-casting, or the like.

14. (new) An electric motor as set forth in Claim 11, wherein the connection gap is of a level at which the volume of the metallic material extruded by said plastic deformation is permissible.

15. (new) An electric motor as set forth in Claim 11, wherein said connection housing to which the dieing tool to be used for forming by means of said plastic deformation, such as a punch, is provided with pre-holing, pre-punching, or other preliminary machining, to ensure guidance for supporting the dieing tool.

16. (new) An electric motor as set forth in Claim 15, wherein said means of plastic deformation fastens split core blocks to said connection housing in the lateral laminating direction of said laminated steel plates.

17. (new) An electric motor manufacturing method for forming a stator core by integrating a plurality of split core blocks having blocks having a magnetic pole portion, a body portion with winding coils, and a support portion, the magnetic pole portion being provided at the outer end of the body portion and

spreading in a circumferential direction, the support portion being provided at the inner end of the body portion and having an engagement recess comprising:

inserting engagement protrusions provided on the outer surface of said metallic connection housing into the corresponding engagement recesses provided on the inner surface of the support portion of the split core blocks to connect the individual split core blocks in dovetailed form to the outer surface side of the metallic connection housing;

deforming plastically the dovetailed connections at the metallic connection housing by punching the protrusions from the axial direction of the stator core to remove the connection gap existing at each of the dovetailed connections and to press adjacent support portions against each other for creating one connected stator core section.

18. (new) An electric motor manufacturing method according to Claim 17, wherein the metallic connection housing is made of a material softer than the core section.